

Nikita Jayakar

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EDUCATION

New York University(Tandon School of Engineering)

Brooklyn, NY

Master of Science in Computer Science, CGPA: 3.614/4

May 2021

University of Mumbai

Mumbai, India

Bachelor of Engineering in Computer Engineering, CGPA: 8.83/10

June 2019

WORK EXPERIENCE

Associate Solutions Developer

June 2021 – Present

New York Life Insurance

Jersey City, NJ

- Deployed new features in the company's Annuities website using .NET framework for web services & batch projects
- Developed a Python-based software tool for documentation of XML requests/responses transactions on website

Course Assistant for Deep Learning

January 2021 – May 2021

New York University

Brooklyn, NY

- Graded homework and assignments of students taking the class Deep Learning with Prof. Chinmay Hegde
- Clarified concepts and assisted grad-level students with their assignments in Spring 2021

Graduate Research Assistant

December 2020 – May 2021

New York University

Brooklyn, NY

- Built data pipelines to process, visualize, and model the vast amounts of data of the NYU Tandon Bridge Program
- Experimenting with topic modeling with LDA and BERT, and performing network analysis
- Conceptualizing various use-cases and applications for the given data and model

Machine Learning Intern

June 2020 – August 2020

New York Life Insurance

Jersey City, NJ

- Improved the Agency Portal using UI/UX prototype and implemented SVM algorithm for classification on the company data, and won the Annual Intern Project Competition
- Analyzed company dataset and built ML(Machine Learning) models like LinearSVC for text classification
- Implemented Keras Deep Learning models over TensorFlow for text classification algorithms using Python

ACADEMIC PROJECTS

Data Visualization of Amazon bestselling authors

March 2021 – May 2021

- Employed ETL to clean and structure the Amazon top 50 bestselling authors data
- Analyzed the structured data into interactive visualizations using D3.js

Image Segmentation Using Satellite Imagery

September 2020 – December 2020

- Built a Deep Learning model based on U-net Keras with TensorFlow architecture for image segmentation
- Classified test satellite images into roads, buildings, and green-cover(vegetation) with up to 85% accuracy

GutenTag

April 2020 – May 2020

- Used the LDA algorithm for auto-categorization of article dataset based on keywords using PySpark
- Performed sentiment analysis on each article using NLP and results were dumped in Elasticsearch

Resume Screening using AI

July 2018 – April 2019

- Performed data extraction using NLP and Regex and calculated the score of resumes based on job descriptions
- Created Web app using HTML, CSS, JavaScript, JQuery and Flask and SQLite for database

PUBLICATIONS AND ACHIEVEMENTS

- N. Jayakar and 5 others,"Web Application for Screening Resume," 2019 International Conference on Nascent Technologies in Engineering(ICNTE), Navi Mumbai, India, 2019, pp. 1-7, doi: 10.1109/ICNTE44896.2019.8945869.
- **Winner**, Smart India Hackathon(SIH) 2019 - software edition (team event), March 2019

TECHNICAL SKILLS

- Python, C/C++, HTML/CSS, JavaScript, JQuery, Bootstrap, React.js, Flask, R, Apache Kafka, Spark, Java, PHP, Microsoft Office Tools, SQL, MySQL, OpenCV, Tableau, SQLite, MS SQL Server, MongoDB, Elasticsearch, WordPress, Git, Docker, VS Code, Visual Studio, PyCharm, Pandas, NumPy, Matplotlib, D3.js, Tensorflow/Keras, PyTorch, C#, Visual Basic, .NET, ASP.NET, AWS Sagemaker, GitHub, AWS